

05/10/01

JCE961 U.S. PTO

25-14-01

Atty. Docket No. AMAT/4582/ISM/COPPER/DV

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application
 Assistant Commissioner of Patents and Trademarks
 Washington, D.C. 20231

Re: Inventor(s): PETER HEY and BYUNG-SUNG LEO KWAK
 Title: METHOD AND APPARATUS TO OVERCOME ANOMALIES IN COPPER SEED
 LAYERS AND TO TUNE FOR FEATURE SIZE AND ASPECT RATIO

Transmitted herewith is the patent application identified above, including:

- ☒ Specification, claims and abstract, totaling 21 pages.
☒ Drawings totaling 3 pages, ☒ Formal ☐ Informal.
☒ Executed Declaration and Power of Attorney.
☐ Information Disclosure Statement w/ Form 1449 and References.
☒ Assignment of the invention to **Applied Materials, Inc.**
☒ Assignment Recordation Cover Sheet

FEE CALCULATION

Fee Items	Claims Filed	Included With Basic Fee	Extra Claims	Fee Rate	Total
Total Claims	21	-20=	1	x \$18.00	\$ 18.00
Independent Claims	3	-3=	0	x \$80.00	\$ 0.00
Basic Filing Fee				\$710.00	\$710.00
TOTAL FEES					\$728.00

- ☒ The Commissioner is hereby authorized to charge \$728.00 to Deposit Account No. 50-1074/4582/ISM/COPPER/DV.
☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1074/4582/ISM/COPPER/DV. A duplicate copy of this transmittal is enclosed.
☒ Please address all future correspondence to:

PATENT COUNSEL
 APPLIED MATERIALS, INC.
 Legal Affairs Department
 P.O. BOX 450A
 Santa Clara, CA. 95052

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Express Mail Receipt No. EL684621630US

Date of Deposit 5-10-01

Signature *Bert Mulcahy*

Respectfully submitted,

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 Robert W. Mulcahy
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